



PTO/SB/08A (08-03)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 3

Complete if Known

Application Number	10/634,289
Filing Date	08-05-2003
First Named Inventor	Amy Mae Bunker
Art Unit	1614
Examiner Name	Unknown
Attorney Docket Number	PC25244A

Examiner Initials*	Cite No. ¹	U. S. PATENT DOCUMENTS			
		Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
2/10		US- 10/071,032	02-08-2002	Dyer, et al	
		US- 2002/0156061 A1	10-24-2002	Barvian, et al	
		US- 2003/0004172 A1	01-02-2003	Harter, et al	
		US- 2003/0078276 A1	04-24-2003	Andrianjara, et al	
		US- 2002/0193377 A1	12-19-2002	Andrianjara, et al	
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		US- 2002/0156069 A1	10-24-2002	Picard, et al	
		US- 6,656,932 B2	12-02-2003	Picard, et al	
		US- 2002/0161000 A1	10-31-2002	Barvian, et al	
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		US- 2003/0220355 A1	11-27-2003	Gaudilliere, et al	
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		US- 10/634,531	08-05-2003	Johnson	
2/10		US- 10/634,709	08-05-2003	Bunker, et al	
		US- 10/634,162	08-05-2003	Wilson	

Examiner Initials*	Cite No. ¹	FOREIGN PATENT DOCUMENTS			
		Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
2/10		WO 02/064599 A1	08-22-2002	Dyer, et al	
		WO 02/064547 A2, A3	08-22-2002	Barvian, et al	
		WO 02/064598 A1	08-22-2002	Harter, et al	
		WO 02/064080 A2, A3	08-22-2002	Andrianjara, et al	
		WO 02/064572 A1	08-22-2002	Andrianjara, et al	
2/10		WO 02/064595 A1	08-22-2002	Andrianjara, et al	

Examiner Signature	<i>S. Huang</i>	Date Considered	1/8/05
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Sheet 2

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Application Number	10/634,289
Filing Date	08-05-2003
First Named Inventor	Amy Mae Bunker
Art Unit	1614
Examiner Name	Unknown
Attorney Docket Number	PC25244A

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		Number-Kind Code ² (if known)			
SM		US- 10/634,473	08-05-2003	Bunker, et al	
		US-			
SM		US- 10/634,180	08-05-2003	Bunker, et al	
SM		US- 10/634,712	08-05-2003	Hicks, et al	
SM		US- 10/634,181	08-05-2003	Li	
SM		US- 10/634,489	08-05-2003	Roark	
SM		US- 10/634,420	08-05-2003	Roark	
SM		US- 10/634,716	08-05-2003	Nahra, et al	
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SM		US- 10/634,717	08-05-2003	Nahra, et al	
SM		US- 10/634,177	08-05-2003	Wilson	
SM		US- 10/634,290	08-05-2003	Wilson	
SM		US- 10/634,182	08-05-2003	Li	
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SM		US- 10/739,261	12-18-2003	Bunker, et al	
		US-			

FOREIGN PATENT DOCUMENTS						
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SM	✓	WO 02/064578 A1	08-22-2002	Picard, et al		
	✓	WO 02/064571 A1	08-22-2002	Barvian, et al		
	✓	WO 02/064568 A1	08-22-2002	Barvian, et al		
	✓	WO 03/032999 A1	04-23-2003	Bunker, et al		
	✓	WO 03/033478 A1	04-24-2003	Gaudilliere, et al		
SM	✓	WO 03/076417 A2, A3	09-18-2003	Gaudilliere, et al		

Examiner Signature	<i>En Huang</i>	Date Considered	1/8/05
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Filing Date	08-05-2003
First Named Inventor	Amy Mae Bunker
Art Unit	1614
Examiner Name	Unknown
Attorney Docket Number	PC25244A

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		Country Code ² Number ⁴ Kind Code ³ (if known)				
Syf	J	WO 04/000322 A1	12-31-2003	Gaudilliere, et al		

Examiner Signature	<i>E. Trump</i>	Date Considered	7/8/05
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Substitute for form 1443/PTO <h2 style="text-align: center; margin: 0;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center; margin: 0;"><i>(Use as many sheets as necessary)</i></p>		<h3 style="text-align: center; margin: 0;">Complete If Known</h3> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>10/634,289</td> </tr> <tr> <td>Filing Date</td> <td>August 5, 2003</td> </tr> <tr> <td>First Named Inventor</td> <td>Amy Mae Bunker, et al</td> </tr> <tr> <td>Art Unit</td> <td>1625</td> </tr> <tr> <td>Examiner Name</td> <td>Evelyn Mei Huang</td> </tr> <tr> <td>Attorney Docket Number</td> <td>PC25244A</td> </tr> </table>		Application Number	10/634,289	Filing Date	August 5, 2003	First Named Inventor	Amy Mae Bunker, et al	Art Unit	1625	Examiner Name	Evelyn Mei Huang	Attorney Docket Number	PC25244A
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Sheet	2	of	4												

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Examiner Signature	<i>E. Huang</i>	Date Considered	1/8/05
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		Filing Date	August 5, 2003		
		First Named Inventor	Amy Mae Bunker, et al		
		Art Unit	1625		
		Examiner Name	Evelyn Mei Huang		
Sheet	3	of	4	Attorney Docket Number	PC25244A

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
SH		From PCT/IB03/03485 International Search Report	
		Office Action from 10/264,764, mailed 06.16.03	
		Chen, et al., "Structure-Based Design of a Novel, Potent, and Selective Inhibitor for MMP-13 Utilizing NMR Spectroscopy and Computer-Aided Molecular Design", JACS, 2000; 122: 9648-9654.	
		Lovejoy, et al., "Crystal structures of MMP-1 and -13 reveal the structural basis for selectivity of collagenase inhibitors", Nature Structural Biol., 1999; 6; 217-221.	
		Moy, et al., "High-resolution Solution Structure of the Catalytic Fragment of Human Collagenase-3 (MMP-13) Complexed with a Hydroxamic Acid Inhibitor", J. Mol. Biol., 2000; 302:671-689.	
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		Neuhold, et al., "Postnatal expression in hyaline cartilage of constitutively active human collagenase-3 (MMP-13) induces osteoarthritis in mice", J. Clin. Invest., 2001; 107(1):35-44.	
		Dahlberg, et al., "Selective Enhancement of Collagenase-Mediated Cleavage of Resident Type II Collagen in Cultured Osteoarthritic Cartilage and Arrest with a Synthetic Inhibitor That Spares Collagenase 1 (Matrix Metalloproteinase 1)" Arthrit. & Rheum., 2000; 43(3):673-682.	
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SH		Billinghurst, et al., "Enhanced Cleavage of Type II Collagen by Collagenase in Osteoarthritic Articular Cartilage", J. Clin. Invest., 1997; 99(7):1534-1545.	

Examiner Signature	<i>E. Huang</i>	Date Considered	1/8/05
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JW		Hirota, et al., "Novel Synthesis of Pyrido[3,4-d]Pyrimidines, Pyrido[2,3-d]-Pyrimidines, And Quinazolines Via Palladium-Catalyzed Oxidative Coupling", Heterocycles, 1994; 37(1):563-570.	
		Wernicke, et al., "Cloning of Collagenase 3 from the Synovial Membrane and Its Expression in Rheumatoid Arthritis and Osteoarthritis", J. Rheum., 1996; 23:590-595.	
		Reboul, et al., "The New Collagenase, Collagenase-3, Is Expressed and Synthesized by Human Chondrocytes but not by Synoviocytes", J. Clin. Invest., 1996; 97:2011-2019.	
JW		Freemont, et al., "In situ zymographic localisation of type II collagen degrading activity in osteoarthritic human articular cartilage", Ann. Rheum. Dis., 1999; 58:357-365.	

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